CHCNAV
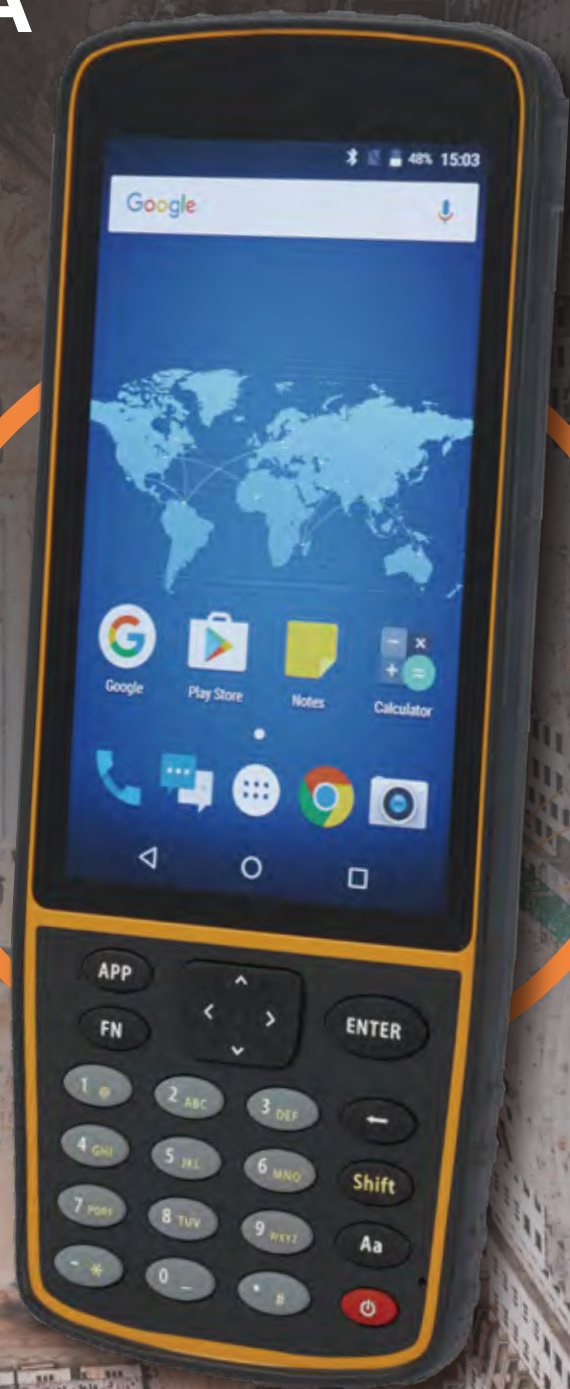
HCE320
HANDHELD DATA CONTROLLER

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SURVEY & ENGINEERING

RUGGED ANDROID DATA CONTROLLER FOR EXTENDED FLEXIBILITY

The HCE320 is a professional-grade Android field data controller with an alphanumeric keypad offering surveyors great flexibility during field work. With its IP67 protection rating against dust and water and its 1.2m drop resistance, the HCE320 is optimized to withstand the most demanding environments. In addition, its 8,000 mAh Li-ion battery allows users to work non-stop all day long.

Integrating a G-sensor, electronic compass and gyroscope, the HCE320 also offers extensive connectivity with Bluetooth, Wi-Fi and a dual SIM slot 3G modem. Optimized for the CHCNAV LandStar7 Survey application, the HCE320 is the ideal rugged professional controller for all demanding surveying and construction applications.

EXPAND YOUR VISION

5.5" sunlight-readable display.
Capacitive multi-touch 1280 x 720 HD screen provides a vivid display to visualize your project data at a glance. Sharper display dramatically improves field usability and operating reliability.

EXTREME ENDURANCE

Up to 16 hours of continuous field operation.
Long battery life provides the HCE320 with the capability to perform uninterrupted for a complete working day. The battery charges fully in just less than 4 hours making the HCE320 ready to use for next day in a fraction of time.

RUN GIS APPLICATION SEAMLESSLY

Driven by Android 7.1 operating system.
The HCE320 embeds the powerful Qualcomm MSM8940 Octa Core 1.4 GHz CPU to run large survey projects and datasets without any lag or slowdown makes your work even more productive.

RUGGED DURABILITY

Dust and waterproof design for everyday construction sites conditions.
The HCE320 withstands up to 1.2 m drop onto concrete and hold the stringent IP67 and MIL-STD-810G certifications. Extra lightweight and rugged design makes the HCE320 even easier and convenient to use in any GIS, mapping, surveying and construction sites.

PROFESSIONAL DATA CONTROLLER
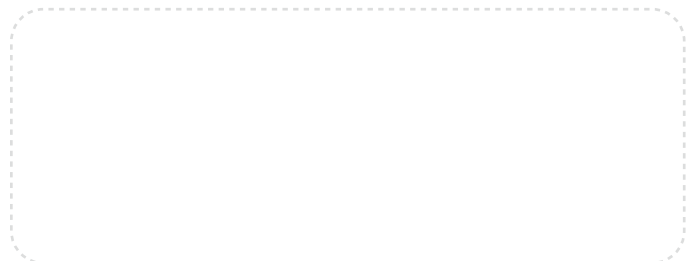

EASY TO OPERATE AS A SMARTPHONE.

SPECIFICATIONS

System	
Operating system	Android 7.1
CPU	Qualcomm ® MSM8940 Octa Core 1.4 GHz
Channel	55 channels
RAM	2 GB
Flash memory	16 GB
Extension	Micro SD card, up to 128 GB

Physical	
Size (L x W x H)	221.5 mm × 87 mm × 19.7 mm (8.7 in × 3.4 in × 0.8 in)
Weight	372 g (13.1 oz) with battery
Environment	Operating: -30°C to +60 °C (-22°F to +140°F) Storage: -30°C to +70°C (-22°F to +158°F)
Dust and water proof	IP67
Shock and vibration	1.2 m (3.9 ft) fall onto concrete
Display	5.5" LCD display Capacitive multi-touch screen (HD 1280 × 720)
Keypad	Alphanumeric keypad
Camera	8-megapixel camera with auto-focus Flashlight

Certificationsand Calibrations	
CE Mark	

Communications	
Network modem	Dual SIM & Dual standby LTE: Band1/Band2/Band3/Band4/Baud5/ Baud7/Baud8/Baud17/Baud20/Baud28 WCDMA: B1/B2/B5/B8 CDMA/CDMA-EVDO: B0 GSM: 850/900/1800/1900
Wi-Fi	802.11 b/g/n, access point mode
Bluetooth ®	V4.1
USB	Type C, OTG supported

Electrical	
Li-ion battery capacity	8000 mAh
Operating time [1]	16 h
Charging time	4 h (typical)

Sensors	
Internal GPS / G-sensor / Light sensor / NFC / E-compass / Gyroscope	

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*All specifications are subject to change without notice.
(1) Operating time varies based on temperature.